

S.P.K. ELECTRONICS CO., LTD

10F, NO.510, SEC. 5 CHUNG HSIAO E RD., TAIPEI, TAIWAN

Tel: +886-2-2346-2323 Fax: +886-2-2346-3939

<http://www.spkecl.com>

Model No.: SPK-FT1575.42MHZ-73
1575.42 MHz SAW Filter for GPS

Rev. No.: Preliminary

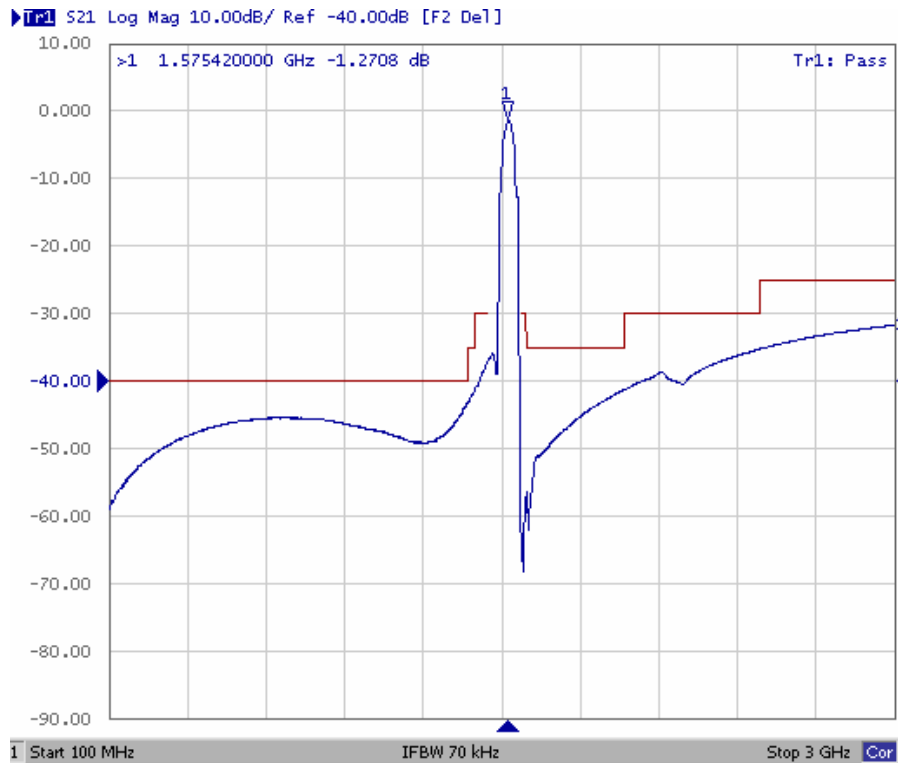
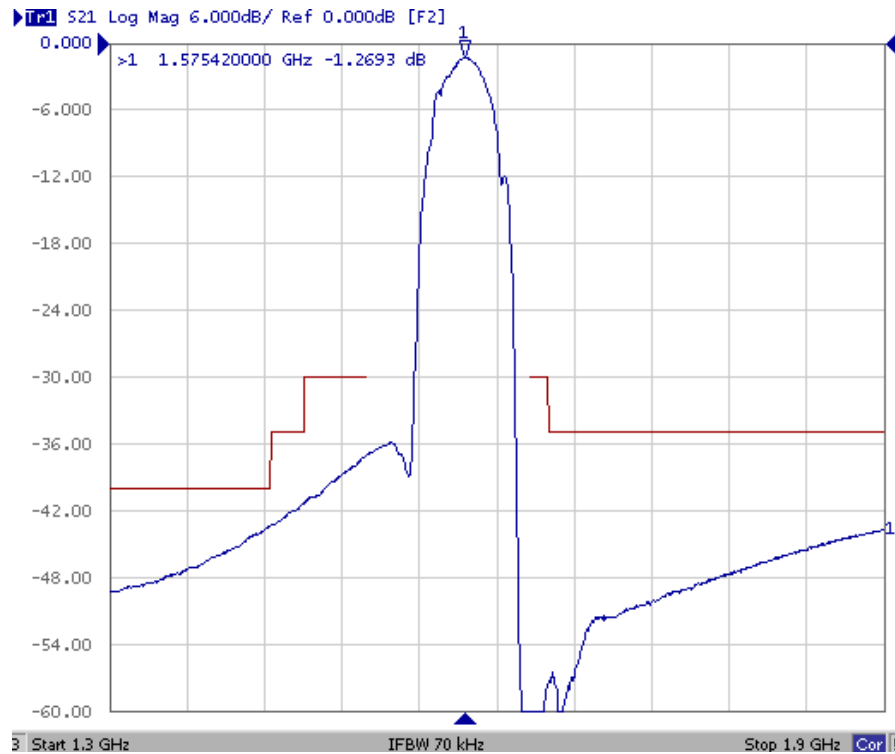
A. Maximum ratings:

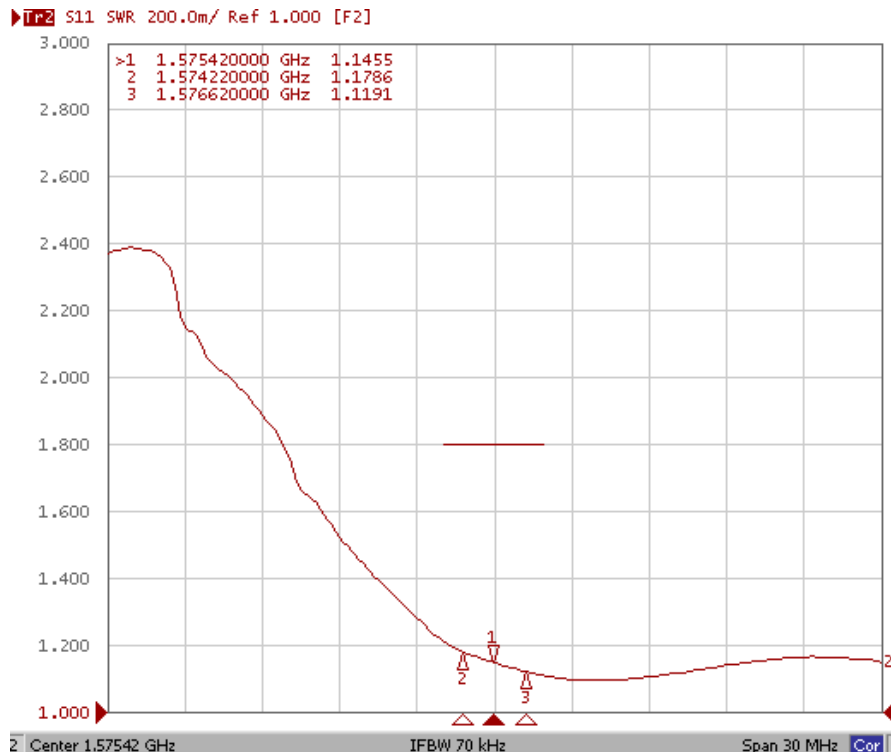
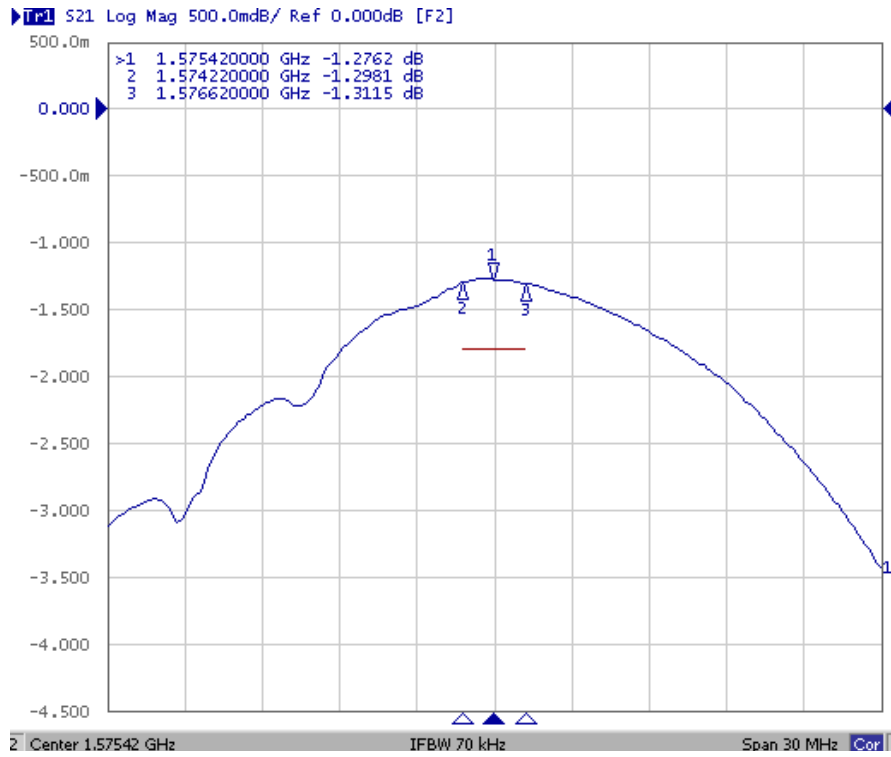
1. Input power level: 0dBm
2. Operating temperature: -40°C to +85°C
3. Storage temperature: -40°C to +85°C

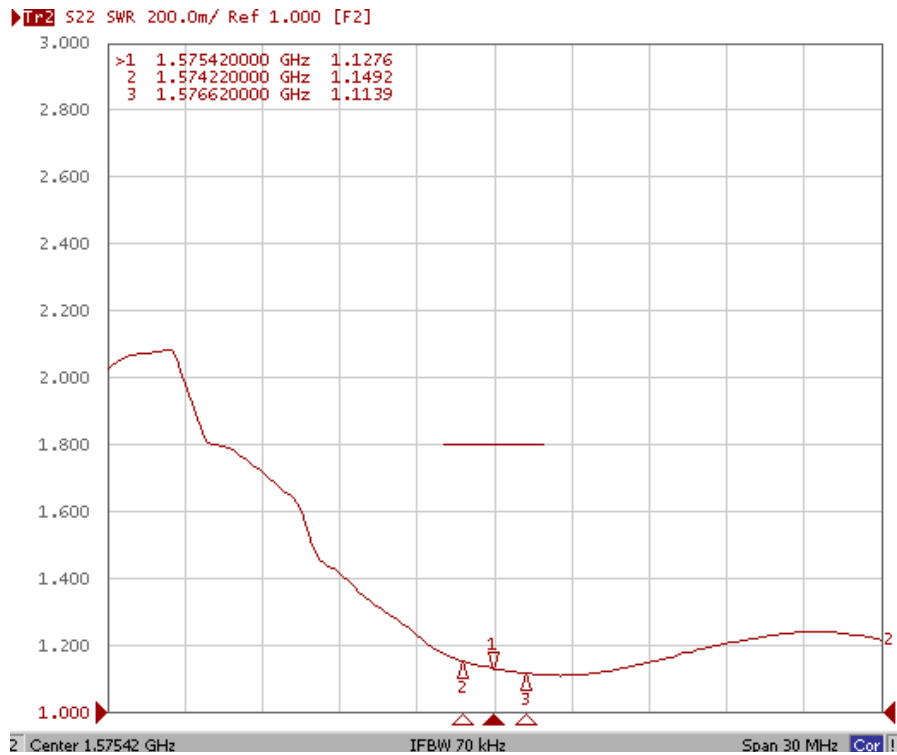
B. Electrical specifications:

Item	Unit	Min.	Typ.	Max.
Center frequency, f_0	MHz	-	1575.42	-
Insertion loss, IL within 1574.22~1576.62MHz	dB	-	1.25	1.8
Amplitude ripple within 1574.22~1576.62MHz	dB	-	0.08	0.5
Input/Output VSWR within 1574.22~1576.62MHz		-	1.2	1.8
Attenuation (relative to 0dB)				
0 ~ 1425 MHz	dB	40	45	-
1425 ~ 1450 MHz	dB	35	42	-
1450 ~ 1500 MHz	dB	30	37	-
1625 ~ 1640 MHz	dB	30	55	-
1640 ~ 2000 MHz	dB	35	40	
2000 ~ 2500 MHz	dB	30	35	
2500 ~ 3000 MHz	dB	25	32	-
Source / Load impedance	Ω	-	50	-

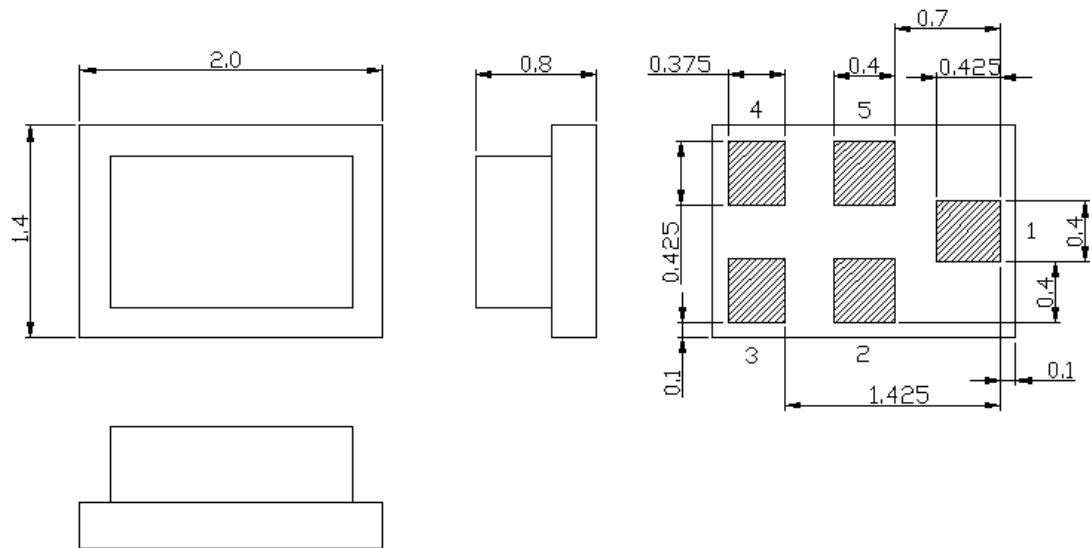
C. Characteristics:







D. Package and pin configuration:



(Unit: mm)

- Pin 1: Input
- Pin 2: Case Ground
- Pin 3: Ground
- Pin 4: Output
- Pin 5: Case Ground